

CLAIMS

1. A multilayer analysis element for liquid sample analysis wherein at least one functional layer and at least one porous liquid sample spreading layer of non-fibrous porous film are integrally laminated in this order on one side of a water-impermeable planar support, and the non-fibrous porous film has a bending rupture strength of 20 gram-weight or more and a tensile percentage of 2% or less when the film is stretched with a tensile force of 50 gram-weight.

2. The multilayer analysis element for liquid sample analysis according to claim 1, wherein said non-fibrous porous film comprises a porous film of an organic polymer.

3. The multilayer analysis element for liquid sample analysis according to claim 2, wherein said porous film of an organic polymer is an asymmetric porous film with an asymmetry ratio of 2.0 or more.

4. The multilayer analysis element for liquid sample analysis according to claim 2, wherein said porous film of an organic polymer is a symmetric porous film with an asymmetry ratio of less than 2.0.

5. The multilayer analysis element for liquid sample analysis according to any of claims 2 to 4, wherein said porous film of an organic polymer is 6,6-nylon; 6-nylon; acrylate copolymer; polyacrylate; polyacrylonitrile; polyacrylonitrile copolymer; polyamide, polyimide; polyamide-imide; polyurethane; polyether sulfone; polysulfone; a mixture of polyether sulfone and polysulfone; polyester; polyester carbonate; polyethylene; polyethylene chlorotrifluoroethylene copolymer; polyethylene tetrafluoroethylene copolymer; polyvinyl chloride; polyolefin; polycarbonate; polytetrafluoroethylene; polyvinylidene difluoride; polyphenylene sulfide; polyphenylene oxide; polyfluorocarbonate; polypropylene; polybenzimidazole; polymethyl methacrylate; styrene-acrylonitrile

copolymer; styrene-butadiene copolymer; a saponified product of ethylene-vinyl acetate copolymer; polyvinyl alcohol; or a mixture thereof.

6. The multilayer analysis element for liquid sample analysis according to any of claims 2 to 4, wherein said porous film of an organic polymer is 6, 6-nylon; 6-nylon; polyether sulfone; polysulfone; a mixture of polyether sulfone and polysulfone; polyethylene; polypropylene; polyolefin; polyacrylonitrile; polyvinyl alcohol; polycarbonate; polyester carbonate; polyphenylene oxide; polyamide, polyimide; polyamide-imide; or a mixture thereof.

7. The multilayer analysis element for liquid sample analysis according to any of claims 2 to 4, wherein said porous film of an organic polymer is polyethersulfone, polysulfone, or a mixture thereof.